MATH 613 Graph Theory

Tentative schedule

Fall 2019

This tentative schedule might be revised during the semester without notification. See the course website for the up-to-date schedule.

The purpose of this schedule is to provide information about what sections of the textbook are expected to be covered in this course and when they are expected to be covered in the lectures.

• Week 1 (Aug 26, 28). Introduction 1.2• Week 2 (Sep 2, 4) 1.2Trees 2.1• Week 3 (Sep 9, 11) 2.32.2• Week 4 (Sep 16, 18) 2.2Connectivity 4.1 4.2• Week 5 (Sep 23, 25) Connectivity 4.3• Week 6 (Sep 30, Oct 2) Connectivity 4.3

Matching

3.1

- Week 7 (Oct 7, 9)
 First Midterm is on Oct 7 Matching 3.1
- Week 8 (Oct 14, 16) Matching
 3.3 planar graphs
 6.1
- Week 9 (Oct 21, 23)
 planar graphs
 6.2
- Week 10 (Oct 28, 30) planar graphs
 6.2
 6.3
 extremal graph theory
 5.2
- Week 11 (Nov 4, 6) extremal graph theory 5.2 coloring 5.1
- Week 12 (Nov 11, 13) coloring
 - 5.1
- Week 13 (Nov 18, 20)
 coloring
 5.2
 6.3

Week 14 (Nov 25, 27 (27 no class)) coloring
7.1
Nov 27 is Reading day, no class
Week 15 (Dec 2, 4 (2 no class)) coloring
7.1
Ramsey

8.3

Dec 2 is redefined day, counted as Friday